

Fig. 1

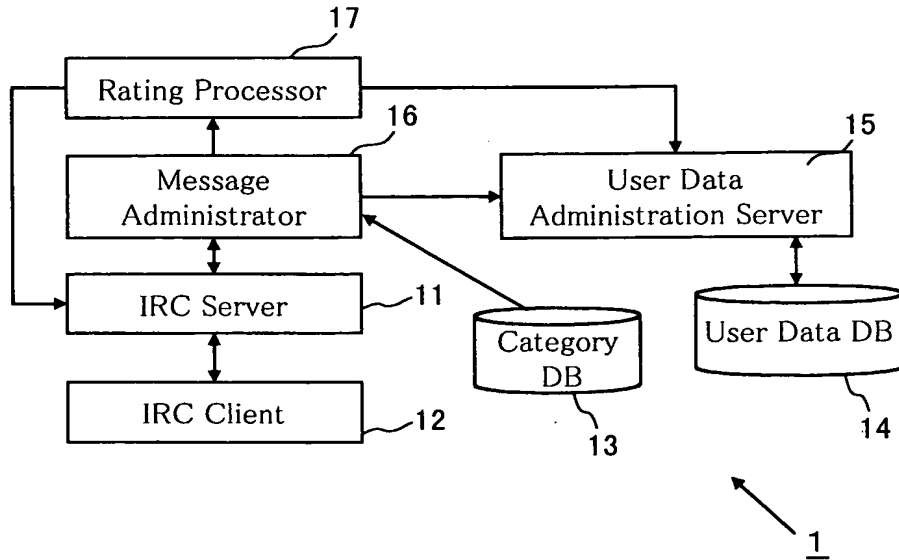


Fig. 2

Contents of Message	Category
URL1	Hobby
URL2	Internet; Hobby
URL3	Travel; Column
⋮	⋮

Fig. 3

User ID	ID0001		
Password	XXXXXX		
Chat- Related Data	Current Nickname	taro	
	Currently Participating Channel	#aa,#bb,#cc,....	
	Current Client Host Name	xxx.xxx.xxx	
	Currently Connected Server	sss.sss.sss	
	⋮	⋮	
Personal Data	Name	Fujitsu, Taro	
	Age	30	
	Occupation	Public Official	
	⋮	⋮	
	Rating Data	0	
Message Attribute Data	Hobby	Number of Message	15
		Mes- sage 1	Contents of Message
			URL1
			Channel
			#AAA
			Date
			1999/06/07 13:55
			Valid Period
			1 month
			Related Users
			ID0002,ID0003
	Internet	Mes- sage 2	Contents of Message
			URL2
			Channel
			#BBB
			Date
			1999/06/17 13:55
			Valid Period
			6 months
			Related Users
			ID0002,ID0004
		⋮	⋮
		⋮	⋮
		⋮	⋮
		Number of Messages	30
		⋮	

Message  
Data

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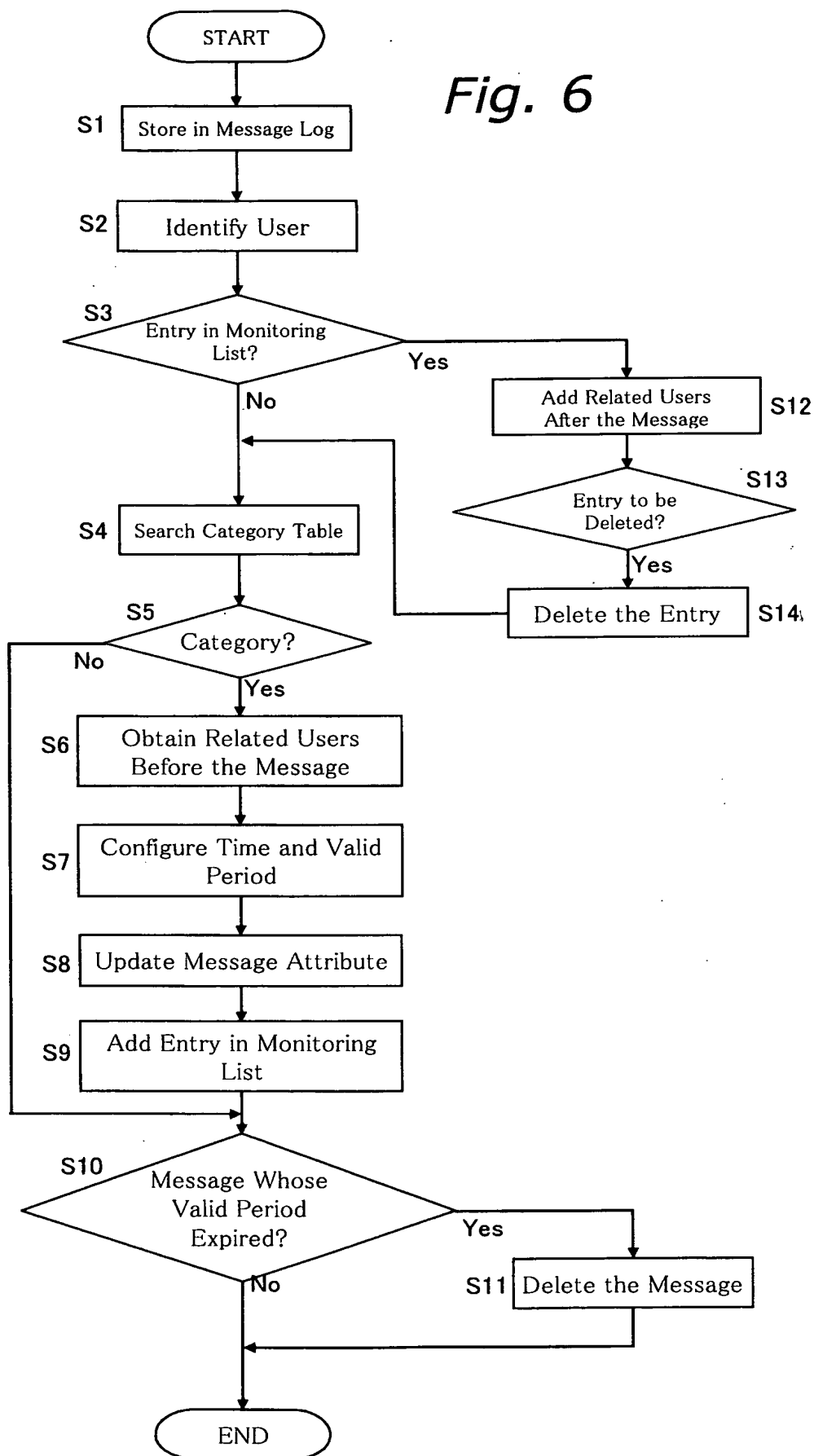
*Fig. 4*

Category	Weight
Hobby	$C_1$
Column	$C_2$
Internet	$C_3$
$\vdots$	$\vdots$

*Fig. 5*

Harmful Comments Level	Process
$\geq X_1$	Disconnect connection with server
$\geq X_2$	Cancel message at server
$\geq X_3$	Reject message for a certain period of time
$\geq X_4$	Warning from server

Fig. 6



*Fig. 7*

13:53>#AAA:hanako< Anything interesting?  
13:55>#AAA:taro< Look at URL1!  
13:56>#AAA:jiro< I recommend that site too.  
14:01>#AAA:saburo< How amazing!

*Fig. 8*

Contents of Message	Channel	Date	Number of Message to be Monitored
URL1	#AAA	1999/06/07 13:55	2
URL2	#CCC	1999/06/07 13:55	0
⋮	⋮	⋮	⋮

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graph TD
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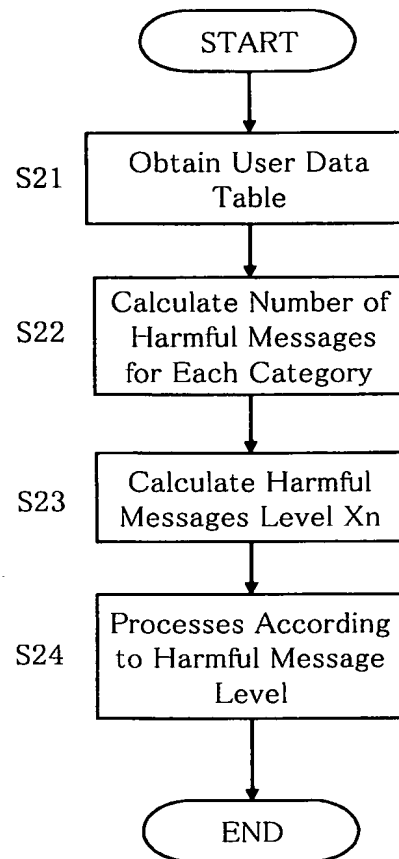


Fig. 10

<div>#channel0</div>	
<div>10:10&lt;USER1&gt; Did you watch the show last night? 10:12&lt;USER1&gt; I want to go for a drive. 10:17&lt;USER4&gt; Now? 10:20&lt;USER5&gt; Ya, It is exciting ! 10:21&lt;USER3&gt; I'm going to play golf the day after tommorrow.</div>	<div>↑</div> <div></div> <div>↓</div>
<div>USER1 USER2 USER3 USER4 USER5</div>	
<div>Hello</div>	
<div>11:10&lt;#channel2:USER34&gt; You had a call. 13:20&lt;#channel2:USER12&gt; From whom?&gt;USER34 13:21&lt;#channel4:USERX&gt; Ok, I see.</div>	<div>↑</div> <div></div> <div>↓</div>
<div>#channel0  #channel1 #channel2</div>	

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